

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-122
Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/26/85	
Company Tenneco Oil Company				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date		Total Depth 7000		Plug Back TD 6982	
Elevation		Farm or Lease Name McCulley LS			
Csg. Size 4 1/2	Wt. d	Set At 6987	Perforations: From 4448 To 4886		Well No. 5M
Trg. Size 2 3/8	Wt. d	Set At 4874	Perforations: From To		Unit Sec. Twp. Rye. D 24 28 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 5000	
Producing Thru				County San Juan	
Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico	
L	H	Gg .680	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							790		925		
1.	2 x 6 x .75						298		746	54	3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11		310	1.006	1.213	1.0358	4310
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.46	514	1.33	.932	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 937		P _c ² 877969		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8937$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4674$	
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²			
1		758	574564	303405			
2							
3							
4							
5							

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10634$$

Absolute Open Flow 10634 Mcfd @ 15.025 Angle of Slope 75

Remarks:

Calculated By: Checked By: